PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

10764771 **Application Number** Filing Date 2004-01-26 **INFORMATION DISCLOSURE** First Named Inventor M.F. FONTOURA et al. STATEMENT BY APPLICANT Art Unit 2166 (Not for submission under 37 CFR 1.99) **Examiner Name** Mohammad Ali SVL920030116US1 Attorney Docket Number

			•		U.S.I	PATENTS	Remove
	Examiner Initial*		Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
ма		1	6766316	•	2004-07-20	Caudill .	·
		2	6789077		2004-09-07	Slaughter et al.	
		3	6810375		2004-10-26	Ejerhed	
		4.	6839665		2005-01-04	Meyers	
		5	6839702		2005-01-04	Patel et al.	
		6	6839843		2005-01-04	Bacha et al.	-
		7 .	6842730		2005-01-11	Ejerhed et al.	
M	/ A	8	6845009		2005-01-18	Whitted	

Application Number		10764771		
Filing Date		2004-01-26		
First Named Inventor	M.F.	FONTOURA et al.		
Art Unit		2166		
Examiner Name	Moha	ammad Ali		
Attorney Docket Numb	er	SVL920030116US1		

ı	ía	9	6850979		2005-02-01	Saulpaugh et al	*
		10	6865575		2005-03-08	Smith et al.	
		11	6868447	171	2005-03-15	Slaughter et al.	
		12	6870095		2005-03-22	Whitted	
		13	6877136	:	2005-04-05	Bess et al.	
		14	6906920		2005-06-14	Whitted	
		15	6934634		2005-08-23	Ge	
		16	5920859		1999-07-06	u	·
		17	6182062		2001-01-30	Fujisawa et al.	
		18	6192258		2001-02-20	Kamada et al.	
М	/	19	7051023		2006-05-23	Kapur et al.	

Application Number		10764771		
Filing Date		2004-01-26		
First Named Inventor	M.F.	FONTOURA et al.		
Art Unit		2166		
Examiner Name	Moha	ammad Ali		
Attorney Docket Numb	er	SVL920030116US1		

If you	f you wish to add additional U.S. Patent citation information please click the Add button.									
	U.S.PATENT APPLICATION PUBLICATIONS Remove									
Exami Initial*		Cite No Publication Number		Kind Code ¹	do1 Data of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
МА		1	20020006112		2002-01-17	17 Jaber et al.				
	1	2	20020032677		2002-03-14	Morgenthaler et al.				
		3	20020120685		2002-08-29	Srivastava et al.				
	4	4	20020129015		2002-09-12	Caudill et al.				
		5	20020165707		2002-11-07	Call				
		6	20020174149		2002-11-21	Conroy et al.				
	-	7	20020188615		2002-12-12	Latarche et al.				
		В	20030028564		2003-02-06	Sanfilippo				
MZ		9	20030055626		2003-03-20	Miyahira et al.				

Application Number		10764771		
Filing Date		2004-01-26		
First Named Inventor	M.F.	FONTOURA et al.		
Art Unit		2166	• • •	
Examiner Name	Moha	ammad Ali	•	
Attorney Docket Numb	er	SVL920030116US1		

M	МА		20030217052	2003-11-20		Rubenczyk et al.	
	٠	11	20030225763	·	2003-12-04	Guilak et al.	
		12	20030225779		2003-12-04	Matsuda	·
		13	20030229604		2003-12-11	Zaragoza et al.	
	•	14	20040078356		2004-04-22	Mazner et al.	
		15	20020169770		2002-11-14	Kim et al.	
		16	20040123104		2004-06-24	Boyen et al.	
		17	20040162997		2004-08-19	Hopmann et al.	
		18	20040243554		2004-12-02	Broder et al.	
		19	20040243556		2004-12-02	Ferrucci et al.	•
`	IA	20	20040243557		2004-12-02	Broder et al.	

Application Number		10764771			
Filing Date		2004-01-26			
First Named Inventor	M.F.	FONTOURA et al.			
Art Unit	-1.	2166			
Examiner Name	Moha	nammad Ali			
Attorney Docket Numb	er	SVL920030116US1			

ма	21	20040243560		2004-1	2-02	Broder et al.				.*
	22	20040243645		2004-1	2-02	Broder et al.				
·	23	20050044411		2005-0	2-24	Somin et al.				
	24	20050149499	· .	2005-0	7-07	Franz et al.			· ·	
	25	20050149576		2005-0	7-07	Marmaros et a	al.			
	26	20050149851		2005-0	7-07	Mittal				
	27	20060074962		2006-0	4-06	Fontoura et a	l.			
MA	28	20040111408		2004-0	6-10	Caudill et.al.				
If you w	ish to a	dd additional U.S. Pub	lished Ap	plication	citation	n information p	please click the Add	butto	n. Add	
				FOREI	GN PAT	TENT DOCUM	IENTS		Remove	
Examin Initial*	er Cite No	Foreign Document Number ³	Country Code ²		Kind Code4	Publication Date	Name of Patentee Applicant of cited Document	e Or	Pages,Columns,Lin where Relevant Passages or Releva Figures Appear	Т5
	1									
If you w	ish to a	dd additional Foreign F	atent Do	cument	citation	information p	lease click the Add	button	Add	

Application Number		10764771			
Filing Date		2004-01-26			
First Named Inventor	M.F.	FONTOURA et al.			
Art Unit		2166			
Examiner Name Moha		mmad Ali			
Attorney Docket Numb	er	SVL920030116US1		•	

		0	NON-PATENT LITERATURE DOCUM	MENTS	Remove	
Examiner Initials*	Cite No	(bool	de name of the author (in CAPITAL LETTERS), title of the k, magazine, journal, serial, symposium, catalog, etc), date sher, city and/or country where published.			T 5
	-1					
If you wis	h to ac	d add	itional non-patent literature document citation information p	please click the Add I	button Add	
			EXAMINER SIGNATURE			
Examiner	Signa	ture	/Mohammad Ali/	Date Considered	11/27/2006	
			reference considered, whether or not citation is in conformation and not considered. Include copy of this form with			
Standard ST 4 Kind of doo	r.3). ³ F cument	or Japa by the a	O Patent Documents at www.uspro.gov or MPEP 901.04. ² Enter officence patent documents, the indication of the year of the reign of the Empropriate symbols as indicated on the document under WIPO Standard is attached.	peror must precede the ser	rial number of the patent do	cument.

	Application Number Filing Date	10764771 2004-01-26
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor	M.F. FONTOURA et al.
(Not for submission under 37 CFR 1.99)	Art Unit	2166
,	Examiner Name	Mohammad Ali
	Attorney Docket Numb	ber SVL920030116US1

				U.S.	PATENTS	Remove		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
MA	1	4965763		1990-10-23	Zamora .			
	2	5187790 ·		1993-02-16	East et al.			
	3	5265221		1993-11-23	Miller			
·	4	5297039		1994-03-22	Kanaegami et al.	* .		
	5	5638543		1997-06-10	Pederson et al.			
	6	5708825		1998-01-13	Sotomayor			
	7	5721938	•	1998-02-24	Stuckey			
MA	8	5721939		1998-02-24	Kaplan			

Application Number	10764771
Filing Date	2004-01-26
First Named Inventor	M.F. FONTOURA et al.
Art Unit	2166
Examiner Name	Mohammad Ali
Attorney Docket Numb	per SVL920030116US1

м	IA 	9	5729730	. 19	998-03-17	Właschin et al.	
		10	5809502	19	998-09-15	Burrows	·
		11	5832480	19	998-11-03	Byrd, Jr. et al.	
		12	5884305	19	999-03-16	Kleinberg et al.	
		13	5890103	19	999-03-30	Carus	
		-14	5903646	19	999-05-11	Rackman	
		15	5909677		999-06-01	Broder et al.	
		16	5933822		999-08-03	Braden-Harder et al.	
		17	5963940	19	999-10-05	Liddy et al.	
		18	5974412	19	999-10-26	Hazlehurst et al.	
M	IA	19	6026388 ·	20	000-02-15	Liddy et al.	

Application Number		10764771			
Filing Date		2004-01-26			
First Named Inventor	M.F.	FONTOURA et al.			
Art Unit	1	2166			
Examiner Name	Moh	ammad Ali	1		
Attorney Docket Number		SVL920030116US1	· · · · · · · · · · · · · · · · · · ·		

			,		· · · · · · · · · · · · · · · · · · ·		
М	A 	20	6029165		2000-02-22	Gable	
		21	6035268	0	2000-03-07	Carus et al.	
		22	6119124		2000-09-12	Broder et al.	
		23	6182121		2001-01-30	Wlaschin	
		24	6192333		2001-02-20	Pentheroudakis	
		25	6205456		2001-03-20	Nakao	
		26	6243713		2001-06-05	Nelson et al.	
		27.	6269361		2001-07-31	Davis et al.	
		28	6285999		2001-09-04	Page	
		29	6295529		2001-09-25	Corston-Oliver et al.	
M	'	30	6308179		2001-10-23	Peterson et al.	

Application Number		10764771	
Filing Date		2004-01-26	
First Named Inventor	M.F.	FONTOURA et al.	
Art Unit		2166	W
Examiner Name	Moha	ammad Ali	
Attorney Docket Numb	er	SVL920030116US1	

M	A	31	6324566		2001-11-27	Himmel et al.	
		32	6381602		2002-04-30	Shoroff et al.	
		33	6421655		2002-07-16	Horvitz et al.	
		34 .	6519592	·	2003-02-11	Getchius et al.	
		35	6547829		2003-04-15	Meyerzon et al.	
		36	6553385		2003-04-22	Johnson et al.	
		37	6578032		2003-06-10	Chandrasekar et al.	
		38	6594682		2003-07-15	Peterson et al.	
		39	6615209		2003-09-02	Gomes et al.	
		40	6618725		2003-09-09	Fukuda et al.	·
M	/ A	41	6622211		2003-09-16	Henry et al.	

Application Number		10764771
Filing Date		2004-01-26
First Named Inventor	M.F.	FONTOURA et al.
Art Unit		2166
Examiner Name	Moh	ammad Ali
Attorney Docket Numb	er	SVL920030116US1

		•						•
ма	42	6631369		2003-10-07	Meyerzon et al.			
	43	6631496		2003-10-07	Li et al.			
	44	6633872		2003-10-14	Ambrosini et al.	4		
	45	6643650		2003-11-04	Slaughter et al.			
	46	6658406		2003-12-02	Mazner et al.	·		
	47	6658423	`	2003-12-02	Pugh et al.		* .	
	48	6665657		2003-12-16	Dibachi			
	49	6678409		2004-01-13	Wu et al.			
MA	50	6754873		2004-06-22	Law et al.			*
If you wis	h to a	dd additional U.S. Paten			ease click the Add button.		Add	
			U.S.P	ATENT APPLI	CATION PUBLICATIONS		Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Releva	Columns,Lin nt Passages Appear	es where or Relevant

Application Number		10764771	
Filing Date		2004-01-26	
First Named Inventor	M.F.	FONTOURA et al.	
Art Unit	•	2166	
Examiner Name	Moha	ammad Ali	
Attorney Docket Number		SVL920030116US1	

	1										
If you wis	h to ac	d additional U.S. Publi	shed Application	on citatio	n information p	lease click the Add	d buttor	n. Add			
FOREIGN PATENT DOCUMENTS Remove											
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ² i	Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	e or	Pages,Columns,Line where Relevant Passages or Releva Figures Appear	T5		
MA	1	0 809 197	EP		1997-11-26	Ishikawa et al.		·			
MA	2	9749048	wo		1997-12-24	Yanhong					
If you wisl	h to ac	ld additional Foreign Pa	atent Documer	nt citation	information pl	ease click the Add	button	Add			
			NON-PATE	NT LITE	RATURE DO	CUMENTS		Remove			
Examiner Initials*	Cite No	Include name of the a (book, magazine, journ publisher, city and/or o	nal, serial, sym	posium,	catalog, etc), o				T 5		
MA	1	AGRAWAL, S., S CHAL Databases," Proceeding						th over Relational			
МА	2	AGRAWAL, S., S CHAU Proceedings of the 2002									
MA ·	3	BHALOTIA, G., A. HULO Browsing in Databases 10 pp.									
МА	4	BRIN, S. and L. PAGE, ISDN Systems, Vol. 30,				ual Web Search Eng	ine", Co	mputer Networks and			

Application Number		10764771	
Filing Date		2004-01-26	
First Named Inventor	M.F.	FONTOURA et al.	
Art Unit	·	2166	
Examiner Name	Moh	ammad Ali	
Attorney Docket Numb	er	SVL920030116US1	

MA	5	BRODER, A.Z., D. CARMEL, M. HERSCOVICHI, A. SOFFER and J. ZIEN, "Efficient Query Evaluation Using a Two-Level Retrieval Process", Twelfth International Conference on Information Knowledge Management (CIKM 2003), 2003, pp. 426-434.	. 🗆
ма	6	BRODER, A.Z., S.C. GLASSMAN, M.S. MANASSE, and G. ZWEIG, "Syntactic Clustering of the Web", Computer Networks and ISDN Systems, Vol. 29, Iss. 8-13, 1997, pp. 1157-1166.	
МА	7	BRUNO, N., K. KOUDAS and D. SRIVASTAVA, "Holistic Twig Joins: Optimal XML Pattern Matching", Proceedings of the 2002 ACM SIGMOD International Conference on Management of Data, 2002, pp. 310-321.	
MA	8	CARMEL, D., Y. MAAREK, M. MANDELBROD, Y. MASS and A. SOFFER, "Searching XML Documents via XML Fragments," Proceedings of the 26th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, 2003, pp. 151-158:	
MA	9	FONTOURA, M., E. SHEKITA, J. ZIEN, S. RAJAGOPALAN and A. NEUMANN, "High Performance Index Build Algorithms for Intranet Search Engines", Proceedings of 30th International Conference on Very Large Data Bases, 2004, pp. 1158-1169.	
MA	10	FRENCH, G., "Hacking the Google Numrange Operator", [online], April 1, 2004, [retrieved on August 31, 2004], retrieved from the Internet at <url: http:="" insiderreports="" searchinsider="" wpn-49-20040401hackingthegooglenumrangeoperator.html="" www.webpronews.com="">.</url:>	
МА	11	GOOGLE, "Advanced Search", [online], 2003, [retrieved on August 31, 2004], retrieved from the Internet at <url: help="" http:="" refinesearch.html="" www.google.com="">.</url:>	
MA	12	GRAVANO, L., P.G. IPEIROTIS, N. KOUDAS and D. SRIVASTAVA, "Text Joins in an RDBMS for Web Data Integration", Proceedings of the 12th International Conference on World Wide Web, 2003, pp. 90-101.	
МА	13	GUTTMAN, A., "R-Trees: A Dynamic Index Structure for Spatial Searching", Proceedings of the 1984 ACM SIGMOD International Conference on Management of Data, 1984, pp. 47-57.	
MA	14	HRISTIDIS, V. and Y. PAPAKONSTANTINOU, "DISCOVER: Keyword Search in Relational Databases", Proceedings of the 28th VLDB Conference, 2002, 12 pp.	
MA	15	KAUSHIK, R., R. KRISHNAMURTHY, J.F. NAUGHTON and R. RAMAKRISHNAN, "On the Integration of Structure Indexes and Inverted Lists," Proceedings of the 20th International Conference on Data Engineering, 2004, 1 pg.	

Application Number		10764771
Filing Date		2004-01-26
First Named Inventor	M.F.	FONTOURA et al.
Art Unit		2166
Examiner Name	Moha	ammad Ali
Attorney Docket Numb	er	SVL920030116US1

MA	16	MELNIK, S., S. RAGHAVAN, B. YANG AND H. GARCIA-MOLINA, "Building a Distributed Full-Text Index for the Web," ACM Transactions on Information Systems, Vol. 19, No. 3, July 2001, pp. 217-241.	
MA	17	PRESS, W.H., B.P. FLANNERY, S.A. TEUKOLSKY AND W.T. VETTERLING, "Numerical Recipes in C: The Art of Scientific Computing", 1998, Ch. 9, pp. 258-263.	
ма	18	RAGHAVAN, S. and H. GARCIA-MOLINA, "Complex Queries over Web Repositories", Proceedings of the 29th VLDB Conference, 2003, pp. 33-44.	
MA	19	RAGHAVAN, S. and H. GARCIA-MOLINA, "Integrating Diverse Information Management Systems: A Brief Survey", IEEE Data Engineering Bulletin, 2001, Vol. 24, No. 4, pp. 44-52.	
MA	20	RAMSAK, F., V. MARKL, R. FENK, M. ZIRKEL, K. ELHARDT and R. BAYER, "Integrating the UB-Tree into a Database System Kernel", Proceedings of 26th International Conference on Very Large Data Bases, September 2000, pp. 263-272.	
MA	21	SPERTUS, E. and L.A. STEIN, "Squeal: A Structured Query Language for the Web", Proceedings of the 9th international World Wide Web Conference on Computer Networks, 2000, pp. 95-103.	
MA	22	US Patent Application Serial No. 11/182,334, filed July 14, 2005, entitled "Enforcing Native Access Control to Indexed Documents", invented by R. LEMPEL, T. LEYBA, J.A. MCPHERSON, JR., and J.L. PEREZ.	
МА	23	US Patent Application Serial No. 11/295,397, filed December 5, 2005, entitled "Improving Text Search Quality by Exploiting Organizational Information", invented by T. HAMPP, M. BAESSLER, A. LANG, T.W. GOETZ, A. BAADER, and J. DOERRE.	
MA	24	LOMET, D. (Ed.), "Bulletin of the Technical Committee on Data Engineering", December 2001, Vol. 24, No. 4, 56 pp.	
MA	25	LU, W, L. CHIEN, & H. LEE, "Anchor Text Mining for Translation of Web Queries", Proceedings from the International Conference on Data Mining, November 2001, pp. 401–408.	
MA	26	PCT International Search Report and Written Opinion, May 6, 2005, for International Application No. PCT/EP2005/ 050321.	

Application Number		10764771	
Filing Date		2004-01-26	
First Named Inventor	M.F.	FONTOURA et al.	
Art Unit		2166	
Examiner Name	Moha	ammad Ali	
Attorney Docket Numb	er	SVL920030116US1	

	EXAMINER S	IGNATURE	•
Examiner Signature	/Mohammad Ali/	Date Considered	11/27/2006
citation if not in conform	nance and not considered. Include copy of	f this form with next communication	to applicant
	nance and not considered. Include copy o		